

INTERNATIONAL SEARCH REPORT

Inter: Application No
PCT/US2004/019540

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D295/06 A61K31/415

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/092585 A (JENSEN ANNIKA ; MOTT ANDREW (SE); BIOVITRUM AB (SE); BREMBERG ULF (SE)) 21 November 2002 (2002-11-21) page 3, line 15 - page 7, line 5 page 25; examples 101,104	1-78
Y	FULLER, R.W.; ET AL.: BIOCHEMICAL PHARMACOLOGY, vol. 29, 1980, pages 833-835, XP002309049 the whole document	1-78
A	WO 00/35922 A (AMERICAN HOME PROD) 22 June 2000 (2000-06-22) the whole document	1-78
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

6 December 2004

Date of mailing of the international search report

27/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Zellner, A

INTERNATIONAL SEARCH REPORT

Inter al Application No
PCT/US2004/019540

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GIANNANGELI M ET AL: "Effect of Mocifications of the Alkylpiperazine Moiety of Trazodone on 5HT_{2A} and alpha-1 Receptor Binding Affinity" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 42, no. 3, 1999, pages 336-345, XP002142123 ISSN: 0022-2623 the whole document</p>	1-78
A	<p>US 6 159 979 A (GASTER LARAMIE MARY ET AL) 12 December 2000 (2000-12-12) the whole document</p>	1-78
A	<p>US 2003/073718 A1 (BARTA, THOMAS E. ET AL) 17 April 2003 (2003-04-17) the whole document</p>	1-78
A	<p>US 2003/073701 A1 (THOMPSON, LORIN A. ET AL) 17 April 2003 (2003-04-17) the whole document</p>	1-78

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/019540

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 33-59 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/019540

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02092585	A	21-11-2002	BR 0209558 A	20-04-2004
			CA 2443724 A1	21-11-2002
			EP 1406884 A1	14-04-2004
			WO 02092585 A1	21-11-2002
			US 2003149019 A1	07-08-2003
			US 2003149020 A1	07-08-2003
WO 0035922	A	22-06-2000	AU 3123400 A	03-07-2000
			BR 9916326 A	02-10-2001
			CA 2351385 A1	22-06-2000
			CN 1330652 T	09-01-2002
			CZ 20012193 A3	12-12-2001
			EP 1140940 A1	10-10-2001
			HU 0104773 A2	29-04-2002
			JP 2002532504 T	02-10-2002
			NO 20013001 A	15-06-2001
			NZ 512765 A	31-10-2003
			PL 348815 A1	17-06-2002
			SK 8192001 A3	03-12-2001
			WO 0035922 A1	22-06-2000
			ZA 200104598 A	05-09-2002
US 6159979	A	12-12-2000	CA 2288172 A1	29-10-1998
			EP 0975614 A1	02-02-2000
			JP 2001526643 T	18-12-2001
			WO 9847885 A1	29-10-1998
US 2003073718	A1	17-04-2003	US 6750228 B1	15-06-2004
			BR 0214450 A	14-09-2004
			CA 2467565 A1	05-06-2003
			EP 1472244 A1	03-11-2004
			WO 03045944 A1	05-06-2003
			US 2004209914 A1	21-10-2004
			AU 766792 B2	23-10-2003
			AU 4797000 A	05-12-2000
			BR 0010562 A	10-06-2003
			CA 2372934 A1	23-11-2000
			CN 1387514 T	25-12-2002
			CZ 20014033 A3	12-02-2003
			EP 1183239 A1	06-03-2002
			HU 0201680 A2	28-09-2002
			JP 2003520196 T	02-07-2003
			NO 20015543 A	10-01-2002
			NZ 515217 A	30-04-2004
			PL 353322 A1	17-11-2003
			SK 16252001 A3	07-10-2003
			WO 0069821 A1	23-11-2000
			US 2004235818 A1	25-11-2004
US 2003073701	A1	17-04-2003	US 2003232985 A1	18-12-2003